915-003.006

REMARKS

This preliminary amendment is submitted for the purpose of placing the application into standard U.S. format and to eliminate multiple dependent claims. Attached hereto is a page of marked up claims showing the changes made. Consideration and allowance are requested.

Respectfully submitted,

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Version with Markings to Show Changes Made

At page 5, the paragraph beginning at line 22 has been rewritten as follows:

The present invention will now be described by way of example with reference to the accompanying drawing, in which[:] as mentioned, figure 1 shows schematically the configuration of a typical wireless cellular telecommunications network;

At page 6, the paragraph beginning at line 11 has been rewritten as follows:

The system of figure 2 includes several BSCs which control respective groups ("clusters") of base stations. One of the BSCs, BSC 40, is connected by a synchronous fixed wire link 53 to a highly accurate reference clock 54. A clock pulse train from the clock 54 is sent to the BSC 40 along the link 53. This clock pulse train is used by the BSC to derive a set of clock pulse trains that are sent by a frequency setting unit 40a in the [BCS] BSC 40 over the respective synchronous links 55 to the base stations 23, 24 that are under the control of the BSC 40. In this way the frequency at [which] those base stations is set accurately.

At pages 8-9, the paragraph beginning at page 8, line 27 has been rewritten as follows:

The frequency setting operation described above in relation to figure 2 could be used in an analogous way in the network of figure 3. The setting functions performed by the BSCs in the system of figure 2 could be performed by the IMC units in the system of figure 3. As shown in figure 3, synchronisation units 112, 113, each comprising a receiver 112a, 113a and an analysis unit 112b, 113b, and frequency setting units 110a, 111a could be provided for setting the frequencies of the base stations 100-

104. In the system of figure 3 the reference cluster could be set by a highly accurate reference clock or, as illustrated, one or more clusters in the system of figure 3 could set their frequencies by reference to signals received from an external radio telephone network. In the illustrated embodiment the receiver 113a receives a signal from an overlapping cellular network 124 for synchronisation of base stations 100, 101 and the receiver 112a receives a signal from base station 101 for synchronisation of base stations 102-104. Alternatively, the frequency setting unit 111a could derive its frequency from an accurate reference clock and/or the frequency setting [112a] 111a could derive its frequency from the network 124.

At page 12, the paragraph beginning at line 6 has been amended as follows:

The accuracy of this reference clock signal received by the receiver/analysis unit over the air interface is about the same as the serving base station's under good radio conditions. If the clock of the serving base [stations] station is running more precisely than the relevant specification calls for then there may even be significant room for loss of accuracy over the air interface due to non-ideal radio conditions.

IN THE CLAIMS:

The following claims have been amended as shown:

6. (Amended) A frequency setting unit according to claim 4 [or 5], wherein said clock setting signal to the second base station for setting said clock [being] is derived from an internal clock within the second controller (41).

7. (Amended) A frequency setting unit according to claim 4 [or 5], wherein said clock setting signal to the second base

station for setting said clock [being] is derived straight from the detected frequency of said analysis apparatus (61a).

8. (Amended) A frequency setting unit according to [any preceding] claim 1, wherein said desired relationship is such that the second frequency matches the first frequency in a absolute manner.

9. (Amended) A frequency setting unit according to [any preceding] claim 1, wherein said desired relationship is such that the second frequency is a multiple of the first frequency by shifting the frequency of said internal clock within the second controller.

10. (Amended) A frequency setting unit according to [any preceding] claim 1, wherein the said signals from the first base station (23) are broadcast signals.

11. (Amended) A frequency setting unit according to [any preceding] claim 1, wherein the first base station (23) and the second base station (22) are of the same radio telecommunications network.

12. (Amended) A frequency setting unit as claimed in [any preceding] claim 1, wherein the first base station (23) and the second base station (22) are of different radio telecommunications networks.

13. (Amended) A frequency setting unit as claimed in [any preceding] claim 1, comprised in said second controller (41).

14. (Amended) A frequency setting unit as claimed in [any preceding] claim 1, wherein the second base station is connected

to another telecommunications network by means of an asynchronous connection.

15. (Amended) a frequency setting unit as claimed in claim [8] 14, wherein the asynchronous connection is an internet protocol connection.

16. (Amended) A frequency setting unit as claimed in [any preceding] claim 1, wherein said telecommunications network is operable according to [the GSM (Global System for Mobile communications) standard or a derivative thereof] a global system for mobile communications standard.